

Title (en)  
METHODS AND APPARATUS FOR ARTHROSCOPIC PROSTHETIC KNEE REPLACEMENT

Publication  
**EP 0511244 A4 19930428 (EN)**

Application  
**EP 91902035 A 19910107**

Priority  
• US 9100115 W 19910107  
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Abstract (en)  
[origin: US5304181A] Methods and apparatus for prosthetic knee replacement permit preparation of tibial plateau and femoral condyle surfaces and implant of tibial and femoral prostheses components with the use of arthroscopic surgical techniques. The bone surfaces are resected by moving a rotating milling cutter longitudinally across the bone surface and moving the rotating milling cutter substantially laterally across the bone. Cement is supplied between the prostheses and the bone surfaces after positioning of the prostheses on the bone, and cement bonding is enhanced by applying suction to the bone to draw the cement into the bone. The apparatus for resecting the bone surfaces includes a rotating milling cutter having a body with cutting edges and holes extending through the body communicating with the interior of the body. Suction is applied to the end of the body to draw out tissue fragments through the holes and out of the body.

IPC 1-7  
**A61B 19/00**; **A61F 2/38**

IPC 8 full level  
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Citation (search report)  
[A] DE 2830566 A1 19800124 - GUSTAV NEUHAEUSER PRAEZISIONSW

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**WO 9110408 A1 19910725**; AT E172372 T1 19981115; AU 659080 B2 19950511; AU 7176591 A 19910805; CA 2073349 A1 19910709; CA 2073349 C 20020319; DE 69130391 D1 19981126; DE 69130391 T2 19990506; EP 0511244 A1 19921104; EP 0511244 A4 19930428; EP 0511244 B1 19981021; JP H05503643 A 19930617; US 5171244 A 19921215; US 5228459 A 19930720; US 5263498 A 19931123; US 5304181 A 19940419; US 5395376 A 19950307

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